User's Manual

30” LCD display

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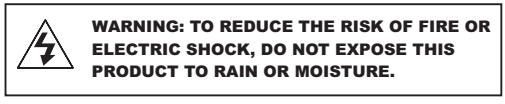
English

V4.1

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Apparatus shall not be exposed to dripping or splashing and no objects fill with liquids, such as vases, shall be placed on the apparatus.
16. To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.
17. The readily operable appliance coupler will serve as the disconnect device of this apparatus.
18. The apparatus must be connected to a mains socket outlet with a protected earthing connection.
19. Keep 10cm minimum distance around the apparatus for sufficient ventilation.
20. Spent or discharged batteries must be recycled or disposed of properly in compliance with all applicable laws. For detailed information, contact your local county solid waste authority.



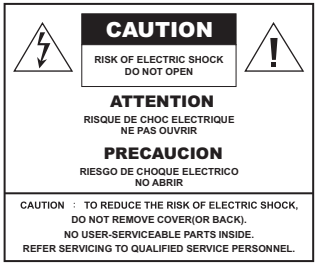
The lightning flash with arrow head symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

"CAUTION"
These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

CAUTION!
For use only with the following power supplies:Delta/ADP-150BB B;Delta/ADP-180CB B

Cautions



【Warning】

To protect the device from fire or electric shock, keep your LCD display away from rain or moisture.

【Caution】

To protect your device from electric shock, be sure to plug into socket securely.

【Caution】

If you use LCD display with video games, computers, or any other similar products together, please keep brightness and contrast at a low level. If an image appears on the screen with a high level of brightness or contrast, the image might be kept on the screen permanently.

【Tips for cleaning LCD display】

1 Please wipe the LCD display with soft or dry cloth.
2 DO NOT use dissolvent or methylbenzene. Otherwise, you might damage your LCD display.
3 Be sure the LCD display is unplugged before you clean it.

【Cautions for CATV】

Be sure to acquire due authorization from broadcaster/CATV service provider/program owner before using the TV receiver to watch programs through UHF, VHF, or CATV.

【Cautions for installation and use of LCD display】

1 Please check the LCD display power specification shown on the serial No./model tag. Be sure to use the power according to the specification. If you are unsure about the power requirement, please contact your distributor or local power company.
2 Be sure to plug into socket securely. If you have problems with plugging in, please contact your distributor.

> The plug is designed in such a manner that you can plug into a socket in a certain direction. If you have problems with plug, please check with your distributor.

1 DO NOT allow overloading in the socket or extension cord. Otherwise, you might receive Electrical shockor cause fire.
2 DO NOT leave any object pressing or winding on the power cord. Keep your LCD display away from any place that might cause damage for your LCD display or mislead you to use a wrong Power cord.
3 Be sure to turn off your LCD display if it's not in use. If your LCD display is not in use for a long time, please unplug it to prevent fire from happening.
4 The ventilation opening behind your LCD display is designed for ventilation and dissipation. Keep the ventilation opening clear, so as not to obstruct dissipation.
5 DO NOT place your LCD display on the bed, sofa, or carpet, so as not to block the ventilation opening.
6 If you do not have proper ventilation setup, DO NOT keep your LCD display in the closed space, such as bookshelf or TV cabinet.
7 Keep your LCD display away from high-temperature objects or any heat-generating object.
8 Keep your LCD display away from direct sunshine.
9 DO NOT place your LCD display on an unstable shelf or desk so as to prevent injuries caused by falling LCD display.
10 DO NOT allow sharp objects to penetrate through your LCD display, so as not to cause any damage to the high voltage device inside your LCD display.

Cautions

【Tips for your LCD display maintenance】

Maintenance

If any of following occurs, unplug your LCD display and contact your distributor or qualified technician to repair your LCD display:

1 Power cord or plug is damaged.
2 Liquid dropped inside your LCD display.
3 LCD display is damp or wet.
4 LCD display is damaged.
5 LCD display functions abnormally.

> DO NOT repair LCD display by yourself. Once the shell is opened, you are exposed to high voltage device and face risks.

Changing parts

If you need to change the parts of your LCD display, please ask the technician for written proof so as to make sure that the new parts are specified by the manufacturer and the functions are the same as the original parts.

Safety inspection

After the LCD display is repaired, be sure to ask the technician (in accordance with the manufacturer's requirements) for routine safety inspection so as to make sure that the LCD display is safe.

If your LCD display has been used longer than its life, please contact qualified technician for repair.

【User's record】

You can find the serial NO. and model on the back of the LCD display. Be sure to provide the model and serial number when you contact your distributor.

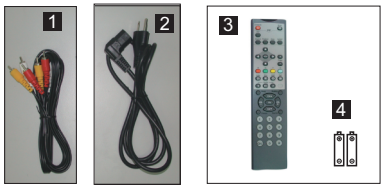
> Please read and comply with all warnings, cautions, and the manual thoroughly.
> You might lose your warranty if you modify or revise your LCD display in such a manner not approved by this manual.

【Compliance with Canadian rules】

This device has been tested and complies with the requirements of Class A/B digital device pursuant to FCC Rules Part 15. These requirements were set up to provide reasonable protection with respect to the harmful disturbances for the households where this device is installed. This device affects radio communication during its production stage and when it is used. Without proper instructions for installation and use, this device may disturb telecommunication to a certain extent. We cannot guarantee that any installation method does not affect telecommunication. If you feel that this device affects the reception of your radio or TV, you can turn on and off the power supply of this device to determine if this device really affects telecommunication. If yes, you may use following methods to eliminate the disturbances:

1 Change the position or direction of your antenna.
2 Keep your device farther from the receiver.
3 Plug your device and receiver in separate receptacles.
4 Contact your distributor or Service Center. (Remark on Warranty Card)

Accessories and descriptions

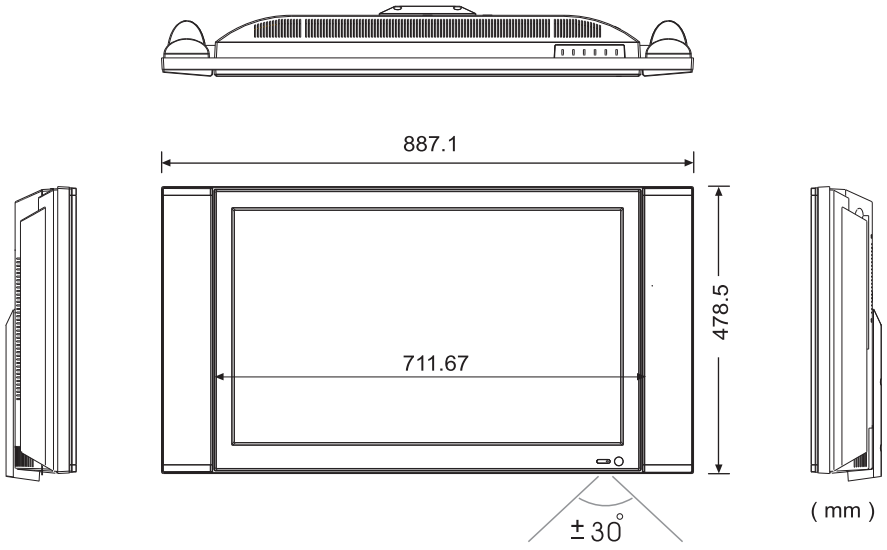


1. Audio / Video cable (optional)
2. Power cord (USA or England or Europe)
3. Remote controller (optional)
4. Remote controller battery (optional)

Installation of battery :

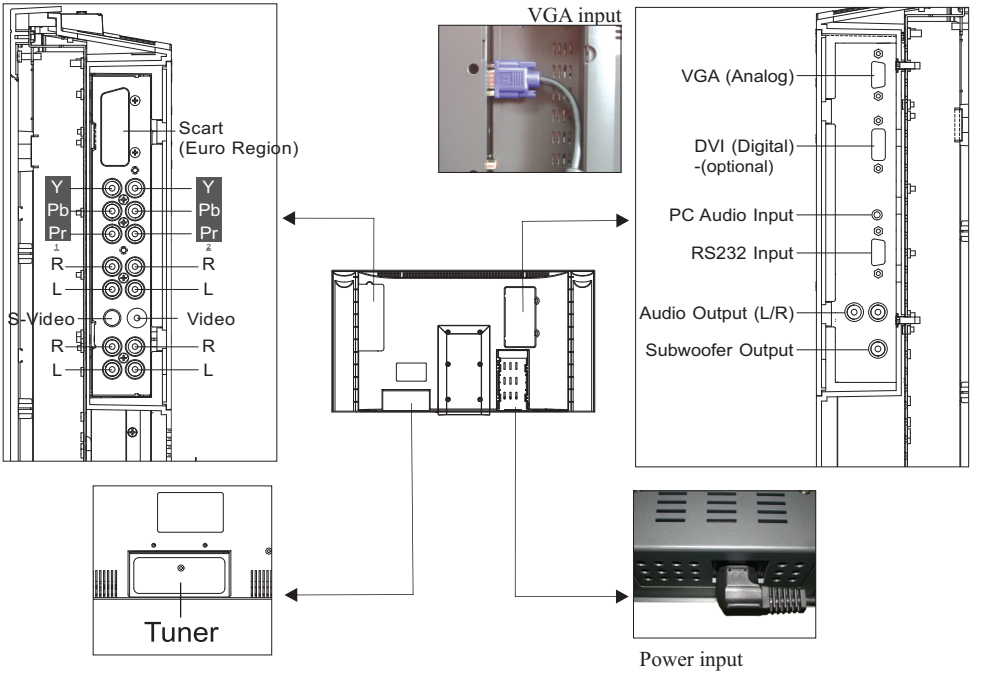
Insert 2 AAA batteries into the remote controller. Make sure + and - are facing proper directions.

If the remote controller is not used for a long time, please take the batteries out to avoid damages caused by the leaking liquid.
Please use the remote controller carefully. DO NOT drop the remote controller on the ground.
Keep the remote controller away from moisture, sunshine, and high temperature.

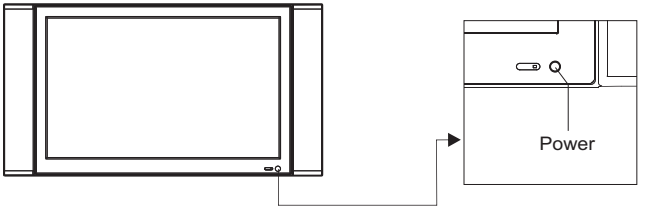


The best reception angle for remote controller and infrared line receiver is $0^{\circ} \pm 30^{\circ}$ (The exceeding angle results in unstable reception)

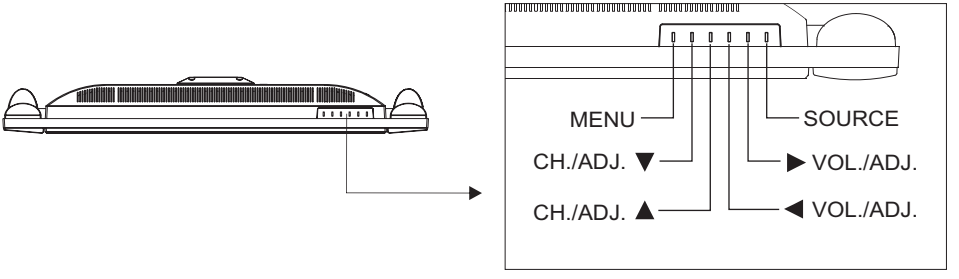
Connection ports



Turning on the LCD display



Panel control



The connectors and sockets

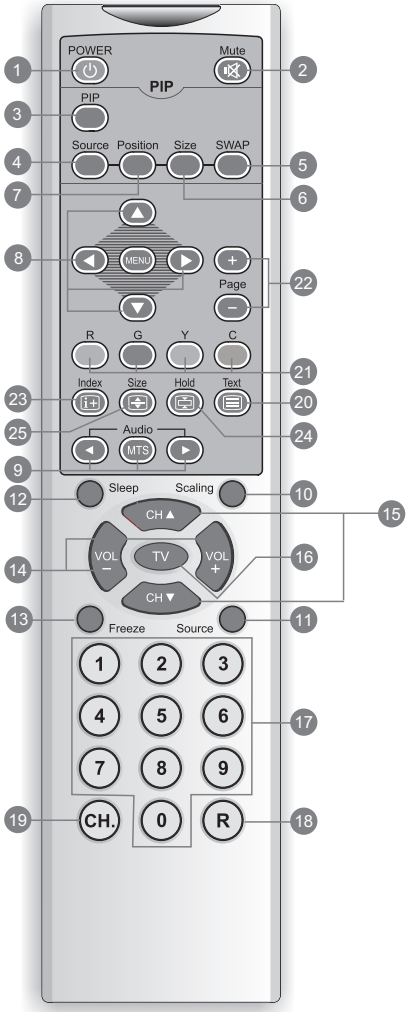
Connection ports' functions

Port	Functions
Power Input	Supply power for LCD display
VGA Input (analog)	Inputs VGA analog signals; and can be used together with IBM or compatible computers.
* DVI Input (digital) -(optional)	Input digitals signals and can be used with IBM or compatible computers and also can take the HDTV video signal that can support 720P, 1080i, 480P and 480i mode.
RS232	Connects to the signal cable of the control system for software upgrade on IBM PC or IBM-comparable PC.
PC & HDTV Audio input:	When LCD display is in VGA/DVI mode, it can be input from the PC to get sound. When the DVI port is used with HDTV source, it can be used for audio input by using a cable with RCA plug convert to stereo mini jack plug.
Audio Output	Outputs sound signals.
Subwoofer Output	Outputs subwoofer signals.
* Tuner	Connects to TV source signals.
* Video Input and R/L Input	Connects to the visual device equipped with AV Output port; and can be used together with visual decoder, and sound signal (R/L connector) line.
* S-Video and R/L Input	Connects to S-Video (Y/C) signal line and sound signal (R/L connector) line.
* Scart	A connector for Europe, using the same connector to transmit RGB, sound, and visual signals.
* D4-Connector and R/L Input	A connector for Japan, using the same connector to transmit visual and sound signal (R/L connector).
* YPbPr1 and R/L Input YPbPr2 and R/L Input	When connecting to YPbPr(R/L), you can use YPbPr visual signal. For example, DVD (Progressive support) player and hi-scale HDTV decoder or satellite receiver obtains the picture with maximum resolution and the sound signal (R/L connector).

(!) * denotes optional item

Panel control's functions

Button	Functions
POWER	Turn on/off LCD display Press the power button on the lower right corner of LCD display to turn on/off LCD display. When power is on, LED indicator becomes green. When power is off, LCD display stands by and LED indicator becomes red.
SOURCE	Select the source of signals. Press the SOURCE button on the upper end of the LCD display and choose TV/CVBS(AV)/S-VIDEO /SCART(for Europe only)/YPbPrl/YPbPr2 or D4(for Japan only)/VGA (PC)/DVI mode(optional).
VOL./ADJ. ◄ ►	Adjust the volume. Press ◄ ► button to adjust LCD display volume. The adjustment procedure of this button is the same as setup procedure shown on the menu (works in the same way as R/L button under the menu mode)
MENU	Adjust the menu. Press the MENU button on the upper end of the LCD display to revise the default. To display the screen control menu of the LCD display, press the MENU button and press ▲▼◄ ► to adjust the content of quick menu.
CH./ADJ. ▲▼	Select CHANNEL Press the ▲▼ button on the upper end of the LCD display to select the channel (to be used under the TV mode) (works in the same way as U/L button under menu mode)



1. POWER
   To turn on LCD display or enter into standby mode.
2. MUTE
   Press the button to shut down the voice of LCD display. Press again or press volume +/- to restore the original volume.
3. PIP
   Press the button to activate Picture In Picture mode (Please refer to P.9 for details)
4. SOURCE (select the small picture's signal source)
   Press the button to select the small picture's signal source (Please refer to P.9 for details)
5. SWAP (switch between large picture and small picture)
   Switch between large picture and small picture under PIP mode.
6. SIZE (size of small picture)
   Change the size of small picture under PIP mode.
7. POSITION (small picture's position)
   Select the small picture's position under PIP mode.

8. MENU ▲ ▼ ◀ ▶ (menu adjustment)
   Press MENU to activate the LCD display menu. Press again to quit the menu. You can press ▲ ▼ ◀ ▶ to change direction and confirm your selection.
9. MTS ◀ ▶ (Audio system group)
   Press MTS button and ◀ ▶ button to select STEREO, MONO, DUAL 1 and DUAL 2. If there's no second language available for the signal received LCD display will not audio out, please back to mono mode.
10. SCALING (scale of screen)
    Activate the screen-scaling mode. 4:3 Mode / Panoramic / Fill all / Wide
11. SOURCE (main picture's signal source)
    Sequentially switch to the signal sources as follows: TV/CVBS(AV)/S-VIDEO/SCART (for Europe only) /YPbPr1/YPbPr2 or D4 (for Japan only)/VGA/DVI(optional).
12. SLEEP
    Press this button repeatedly to set the sleeping time at 0/30/60/90/120 minutes. LCD display cuts its power as soon as the automatic sleeping time is up. To cancel your selection, simply press the button continually until 0 appears.
13. FREEZE (frozen picture)
    Press FREEZE to freeze picture.
14. VOL +/- (Volume +/-)
    Adjust LCD display volume.
15. CH ^ ˇ (Channel)
    Select channel.
16. TV
    Press this button the display screen to be changed TV source.
17. 0～9
    Press 0~9 to select channels from 01 to 125. If the channel number you select is larger than 125, picture will be halted in the previous channel without any switch.
18. RETURN
    Return to previous channel.
19. CH. (displaying channel)
    Press CH to display the current channel.
20. TEXT
    Press this button to activate Teletext. Press again to turn off this function.
21. R/G/Y/C
    Press this button to select the pictures with various colors of text. Different channels display different corresponding functions.
22. PAGE ▲▼ (page up & down)
    Press this button to select the page you want together with the page number.
23. INDEX (indexing)
    Press this button to return to page 100 or the indexing picture; and then press 0 to 9.
    The teletext page will be numbered and added to the page you select or the secondary item.
24. HOLD
    Press this button to stop the scrolling of text pages. The text decoder stops receiving data.
25. SIZE (font size)
    Press this button to change the size of font: full screen, top half, and bottom half.

FULL (full screen)	standard full-screen text
TOP (top half)	top half of page appears on the full screen
BOTTOM (bottom half)	bottom half of page appears on the full screen.

PAL

Pop-out menu How to display modes

Main picture mode

1.You can change the signal source of the main picture through the SOURCE of your remote control. The signal source you choose appears on the upper left corner of the screen (Diagram 1).

2.The main picture will be changed in the sequence as follows: TV/CVBS(AV)/S-VIDEO/SCART (for Europe only)/YPbPr1/YPbPr2 or D4 (for Japan only)/VGA/DVI(optional).

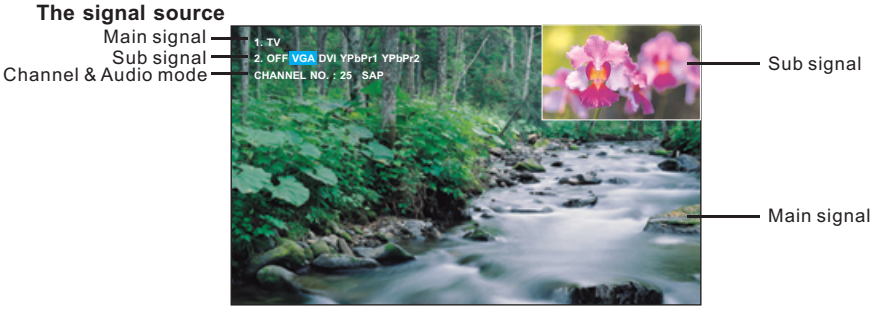
3.Users are allowed to set the options specifically designed for a certain mode under the OSD MENU.

PIP mode

1.LCD display can display the main signal and auxiliary visual input signals simultaneously. The auxiliary signal (or input source) appears in a frame on the main picture. This is known as PIP picture (diagram 1). To activate PIP mode from the PIP button on the remote controller.

2.Please select the PIP input source from the PIP SOURCE button on the remote controller. There is no PIP button on the LCD display control panel.

3.The sub-signal options change as the main signal source changes. (Diagram 2)



(Diagram 1)

Sub signal (PIP) / Main signal	OFF	TV	AV (CVBS)	SV (S-VIDEO)	SCART (For Europe only)	YPbPr1	YPbPr2 D4 (For Japan only)	VGA (PC)	DVI (Optional)
TV	✓	—	—	—	—	✓	✓	✓	✓
CVBS(AV(	✓	—	—	—	—	✓	✓	✓	✓
S-VIDEO	✓	—	—	—	—	✓	✓	✓	✓
SCART (For Europe only)	✓	—	—	—	—	✓	YPbPr2 ✓ / D4 —	✓	✓
YPbPr1	✓	✓	✓	✓	✓	—	—	—	—
YPbPr2 / D4 (For Japan only)	✓	✓	✓	✓	YPbPr2 ✓ / D4 —	—	—	—	—
VGA (PC)	✓	✓	✓	✓	✓	—	—	—	—
DVI(optional)	✓	✓	✓	✓	✓	—	—	—	—

(Diagram 2)

Pop-out menu How to use the advanced menu

1. Users can use either the SOURCE button on the remote control to select the proper mode. Once the signal source is detected, the system mode selected by users appears on the upper left corner of the screen.
2. After the system mode is selected, users can press MENU buttons to execute the following functions:

AUTO (automatic adjustment) (can be used under PC mode)
Allows you to adjustment the setup of picture automatically.

DISPLAY (picture display)
Provides more picture modes and functions based upon your favorite programs and lets you adjust the setup regarding colors and brightness.

TV (to be used under TV mode)
Allow you to set your favorite channels. If you use several systems and input signal sources, this function executes the automatic programs.

GEOMETRIC (geometric adjustment) (to be used under PC mode)
Allows you to adjust the position and sharpness of picture.

AUDIO (audio setup)
Provides more audio selections. You can also set the audio environment for your LCD display.

MISCELLANEOUS (other setups)
Provides several options and allows you to set the automatic closing hour, language, and restore the default.

Pop-out menu How to use the advanced menu

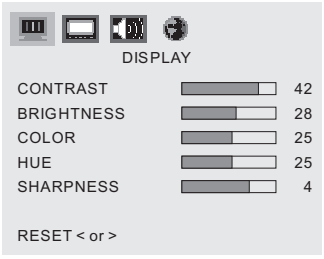
	Items	Range	Activation mode
DISPLAY	CONTRAST	0 ~ 50	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	BRIGHTNESS	0 ~ 50	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	COLOR-TEMP	High / Middle / Low / User	VGA
	RED	0 ~ 255	VGA
	GREEN	0 ~ 255	VGA
	BLUE	0 ~ 255	VGA
	WHITE BALANCE		VGA
	COLOR	0 ~ 50	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4
	HUE	0 ~ 50	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4
	SHARPNESS	0 ~ 6	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4
	FOCUS	0 ~ 31	YPbPr1/YPbPr2/SCART/D4
	RESET< or >		TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
TV	CCD	CC1~CC4 / T1~T4 / OFF	TV/AV (For NTSC)
	V-CHIP		TV/S-VIDEO/AV (For NTSC)
	CHANGE PASSWORD	0000 ~ 9999	TV/S-VIDEO/AV (For NTSC)
	CH SCAN	0 ~ 125	TV
	CATV / AIR	ANTENNA / CABLE	TV (For NTSC)
	CH ADD / DEL	+ / -	TV (For NTSC)
	UPDATE CH SCAN		TV (For PAL)
	PR-EDIT		TV (For PAL)
GEOMETRIC	CLOCK	0 ~ 255	VGA
	PHASE	0 ~ 31	VGA
	H-POSITION	0 ~ 255	VGA
	V-POSITION	0 ~ 255	VGA
	RESET< or >		VGA
AUDIO	VOLUME	0 ~ 31	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	BASS	0 ~ 24	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	TREBLE	0 ~ 24	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	SUBWOOFER	ON / OFF	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	SURROUND	ON / OFF	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	BALANCE	L ~ 0 ~ R	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	RESET< or >		TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
MISCELLANEOUS	OSD TIMER	5/10/15/20/25/30 SEC	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	LANGUAGE	ENGLISH/DEUTESH/FRANCOIS/ ITALIA NO/ESPANOL/JAPAN /繁/简	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	PIP SIZE	1, 2, 3, 4, 5	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	PIP POSITION	0 ~ 4	TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI
	RESET< or >		TV/S-VIDEO/AV/YPbPr1/YPbPr2/SCART/D4/VGA/DVI

Menu is changed as the picture mode and district are changed.

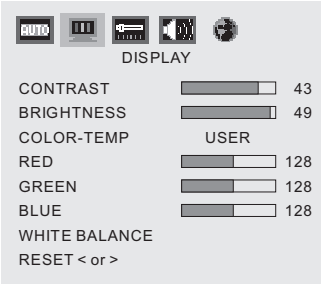
Pop-out menu How to use the advanced menu

DISPLAY

1. Press MENU button on the remote controller to display the main menu.
2. Press ◂ ▸ button on the remote controller to select the Display to be adjusted.
3. Press ▴ ▾ button on the remote controller to select the item to be adjusted.
4. Press ◂ ▸ button on the remote controller to adjust the default of that item.
5. Press MENU again to quit the picture.

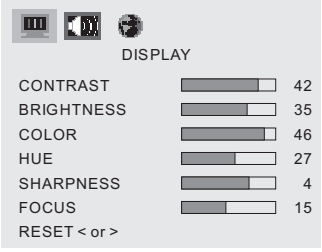


（For TV/S-VIDEO/AV/SCART）



（For VGA）

（For DVI）

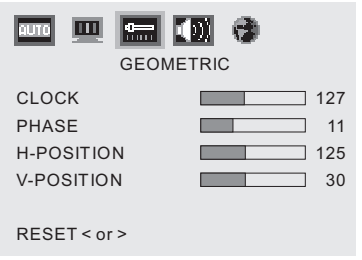


（For YPbPr1/YPbPr2/D4）

Menu	Descriptions
Contrast	Press ◂ ▸ to increase or decrease the picture contrast .
Brightness	Press ◂ ▸ to make picture brighter or darker.
Color Temp	Press ◂ ▸ to select color temps.
Red	Press ◂ ▸ to increase or decrease the red of the picture.
Green	Press ◂ ▸ to increase or decrease the green of the picture.
Blue	Press ◂ ▸ to increase or decrease the blue of the picture.
White Balance	In the PC Mode, select all white for the center ofpicture; and then press ◂ ▸ to make the color balanced.
Color	Press ◂ ▸ to increase or decrease the thickness of color.
Hue	Press ◂ ▸ to change the colors to be redder or greener.
Sharpness	Press ◂ ▸ to make the picture sharper or softer.
Focus	Press ◂ ▸ to make the signal sharper or softer.
Reset< or >	Press this button to restore all setups of the Display to the default.

Pop-out menu How to use the advanced menu

GEOMETRIC



1. Press MENU button on the remote controller to display the main menu.
2. Press ◂ ▸ button on the remote controller to select the main item (Geometric) to be adjusted.
3. Press ▴ ▾ button on the remote controller to select the item you'd like to adjust.
4. Press ◂ ▸ button on the remote controller to adjust the default of that item.
5. Press MENU button again to quit the picture.

Menu	Descriptions
Clock	Press ◂ ▸ button to adjust the alignment of VGA for steady display of VGA.
Phase	Press ◂ ▸ button to adjust the focus and sharpness of VGA.
H-Position	Press ◂ ▸ button to adjust the horizontal position of VGA.
V-Position	Press ◂ ▸ button to adjust the vertical position of VGA.
Reset< or >	Press this button to restore all Geometric setups to default.

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TV (for Europe)

TV

CH SCAN
UPDATE CH SCAN
PR-EDIT

1. Press MENU button on the remote controller to display the main menu.
2. Press ◂ ▸ button on the remote controller to select the main item (TV) to be adjusted.
3. Press ▴ ▾ button on the remote controller to adjust the setup of that item.
4. Press ◂ ▸ button on the remote controller to adjust the default of that item.
5. Press MENU button again to quit the picture.

Descriptions
CH Scan (automatic channel scanning) At CH Scan, press ▸ button to execute the automatic channel scanning. You need to execute the automatic channel scanning if you install your LCD display for the first time.
UPDATE CH SCAN Enter this option when TV already has channels. Press ◂ ▸ button to add the newly found channel (found by searching) after the current channels.
PR-Edit Press ◂ ▸ button on the remote controller, you"ll see the PR-EDIT picture (Page 15 Diagram 3).

PAL

PR-Edit

PR	CH	TV-SYS	ID	SKIP
1	2	PAL-DK	AA	O
2	3	SECAM		O
3	5	PAL-DK	BB	O
4	---			X
5	---			X
6	---			X
7	---			X
8	---			X
9	---			X

: SELECT MENU : EXIT
: ENTER R : MOVE

PR	CH	TV-SYS	ID	SKIP
1	5	PAL-DK	BB	O
2	3	SECAM		O
3	2	PAL-DK	AA	O
4	---			X
5	---			X
6	---			X
7	---			X
8	---			X
9	---			X

: SELECT MENU : EXIT
: ENTER R : MOVE

1. After entering the PR-EDIT editing table, you may use (R) button to highlight the channel you wish to change in yellow. Use▲▼ button to select the channel to switch and press (R) button again to switch the two channels. (Figure 4)

2. Use the ▲▼ button on the remote control to select the channel you want to edit and then press the ▶ button on the remote control to enter the PR screen. (Figure 5)

PR	CH	TV-SYS	ID	SKIP
1	5	PAL-DK	BB	o

: SEL 0-9: ID O X

: SELECT
R : CLEAR MENU : EXIT

3. How to adjust and use TV-SYS/ID/SKIP which needs to be edited.

3-1. TV-SYS:

Use the ▲▼ button on the remote control to choose which TV system to represent the screen under this PR frequency.

(If there is no other system can be used to represent the screen, then this RP frequency cannot be used to confirm the screen quality.)

3-2. ID input:

Press 1 to rotate through "A", "B", "C" and "1". Press 2 for "D", "E", "F" and "2".....

Press 9 for "Y", "Z", and "9". Press 0 for "+", "-", "." and "0".

3-3. SKIP:

"0" means (skip on) and "X" means (skip off).

4. Press the "MENU" button to confirm and exit the PR setting OSD.

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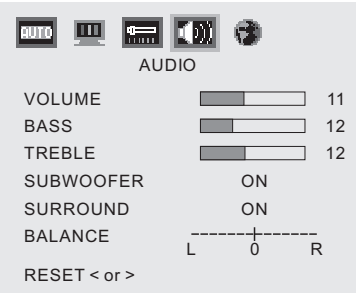
AUDIO



1. Press the MENU button on the remote controller to display the main menu.
2. Press ◂ ▸ button on the remote controller to select the main item (Audio) to be adjusted.
3. Press ▴ ▾ button on the remote controller to select the item to be adjusted.
4. Press ◂ ▸ button on the remote controller to adjust the default of that item.
5. Press MENU button again to quit the picture.

Menu	Descriptions
Volume	Press ◂ ▸ button and adjust the volume to the level you want.
Bass	Press ◂ ▸ button to increase or decrease the volume.
Treble	Press ◂ ▸ button to increase or decrease the volume of pitch sound.
Subwoofer	Press ON or OFF to activate or inactivate the subwoofer.
Surround	Press ON or OFF to activate or inactivate the surround.
Balance	Press ◂ ▸ button to adjust the balance between right and left speakers.
Reset< or >	Return all Audio items to default.

MISCELLANEOUS

1. Press the MENU button on the remote controller to display main menu.
2. Press ◂ ▸ button on the remote controller to display the main item (Miscellaneous) to adjust.
3. Press ▴ ▾ button on the remote controller to select the item to be adjusted.
4. Press ◂ ▸ button on the remote controller to adjust the default of that item.
5. Press MENU again to quit the picture.

Menu	Descriptions
OSD Timer	Press ◂ ▸ button to select the time to be shown on the menu 5 sec 15 sec 20 sec 25 sec 30 sec
Language	Press ◂ ▸ button to select language English/French/Spanish/German/ Italian/Japanese/Chinese(Traditional)/Chinese(Simplified)
PIP Size	Press ◂ ▸ button to select the size of small picture. (5 size) (Please execute this function under PIP Mode)
PIP Position	Press ◂ ▸ button to move the small to upper left, upper right, center, lower left, or lower right.(Please execute this function under PIP Mode)
Reset< or >	Return all Miscellaneous items to default.

Other information Trouble-shooting

The following table contains the common problems and the solutions to these problems.
Please check this list before you contact technicians.

Problems	Reasons	Solutions
No picture	1.Did you connect the power cord? 2.Did you turn on power? 3.Is the signal line connected correctly? 4.Is the screen under the energy-saving mode?	1.Connect power cord correctly. 2.Turn on power. 3.Connect signal line properly. 4.Press any button on the computer.
Abnormal colors	1.Is signal line connected correctly?	1.Connect signal line correctly.
Twisted picture	1.Is the signal line connected correctly? 2.Is input signal larger than the rated frequency?	1.Connect signal line correctly. 2.Please use the rated signal.
Picture too dark	1.Are brightness and contrast set at the lowest level?	1.Adjust brightness and contrast.
Voice only, no images	1.Is input signal connected correctly? 2.Is TV signal too weak?	1.Please check if input signal is correct. 2.Please check if signal is connected correctly. 3.TV-RF signal must not be lower than 70dB.
Picture only, no voice	1.Is signal line connected correctly? 2.Is volume at the minimum level? 3.Is audio signal line not connected? 4.Is TV signal too weak?	1.Connect signal line correctly. 2.Adjust volume to proper level. 3.Connect audio signal line correctly. 4.TV-RF signal must not be lower than 70dB.
Cannot use remote controller	1.Please check if battery is still charged. 2.Is there any disturbance from static or thunder?	1.Please change battery. 2.Turn off power for 10 seconds; and then restart power.

The following table contains common problems and solutions to these problems.

Problems	Possible solutions
Cannot receive UHF	Change the signal line to other input-end
Cannot receive sufficient channels through antenna	Please use the automatic scanning function to increase the channels not included in memory (Please refer to page 14)
No colors	Please adjust the color setup at the menu
Blinking picture accompanied by ghost image	Check the connection of antenna/signal line Check if channel is in play mode Press signal source and change input mode
Broken lines or segments	Adjust antenna Keep TV away from noise source, such as automobile, neon lights, and hair dryer.
TV is blocked at certain channels (Hope to acquire some channels)	Please use the automatic scanning method to add the channels not included into memory (Please check page 14)
Overlapping images or ghost image	Please use multi-directional outdoor antenna (If your TV is subject to the influence imposed by the nearby mountains or buildings)
Cannot use the functions	If the item you choose turns gray, that item cannot be selected.
Cannot receive programs through channels	Please use the automatic scanning method to add the channels not included into memory (Please check page 14)

If you have further questions after reading the foregoing descriptions, please contact your distributor.

Other information VGA/DVI mode specification

Active Range	Refresh Rate	H	V	Dot Clock MHz	Pol.		Horizontal				Vertical				VGA	DVI (Optional)
					H	V	Sync Width	Back Porch	Front Porch	Total	Sync Width	Back Porch	Front Porch	Total		
640 × 350	70	31.5	70	25.175	N	N	96	48	16	800	2	60	37	449	✓	
640 × 480 VGA	60	31.469	59.940	25.175	N	N	96	48	16	800	2	33	10	525	✓	✓
	72	37.861	72.809	31.5	N	N	40	128	24	832	3	28	9	520	✓	✓
	75	37.5	75	31.5	N	N	64	120	16	840	3	16	1	500	✓	✓
	85	43.269	85.008	36	N	N	56	80	56	832	3	25	1	509	✓	✓
720 × 400	70	31.46	70.08	28.32	N	P	108	54	18	900	2	35	12	449	✓	✓
800 × 600 SVGA	56	35.156	56.250	36	P	P	72	128	24	1024	2	22	1	625	✓	✓
	60	37.879	60.317	40	P	P	128	88	40	1056	4	23	1	628	✓	✓
	72	48.077	72.188	50	P	P	120	64	56	1040	6	23	37	666	✓	✓
	75	46.875	75	49.5	P	P	80	160	16	1056	3	21	1	625	✓	✓
	85	53.674	85.061	56.25	P	P	64	152	32	1048	3	27	1	631	✓	✓
1024 × 768 XGA	60	48.363	60.004	65	N	N	136	160	24	1344	6	29	3	806	✓	✓
	70	56.476	70.069	75	N	N	136	144	24	1328	6	29	3	806	✓	✓
	75	60.023	75.029	78.75	P	P	96	176	16	1312	3	28	1	800	✓	✓
1280 × 768	60	47.776	59.870	79.5	N	P	128	192	64	1664	7	20	3	798	✓	✓
1280 × 1024	60	63.981	60.020	108	P	P	112	248	48	1688	3	38	1	1066	✓	✓

Display panel	Screen Size	643.2(H) X 385.92(V)mm (diagonal 29.54 inches)
	Aspect Ratio	16:9 WIDE
	Pixel Pitch	0.1675(H) X 0.5025(V)mm
	Number of Pixels	1280(H) X 768(V)
	Brightness	550cd/m^2(Typical)
	Contrast	600:1(Typical)
	Response Time	16ms
	Viewing Angle	Typical 170 Degree(Horizontal/Vertical)
Signals Input/out	∗Video in	RCA Jack X 1
	∗Scart	RGB + Audio/Composite + Audio(Europe region)
	∗S-Video in	Y/C X 1
	∗Component in	YPbPr(USA X 2,EuropeX2,JapanX1)
	∗Tuner in	NTSC/PAL/SECAM(OPTIONAL)
	∗NTSC-J(D4)	Mini-D 14 pin(Japan region)
	Audio in	∗ RCA Jack(R+L)X 4
		PC Audio In X 1
	VGA in	D-sub 15 pin 3 row type, H:31~64KHz V:56~85Hz
	∗DVI-D in	DVI-D 24 pin (support HDCP), H:31~64KHz V:56~85Hz
	RS232 in	D-sub 9 pin (for software update only)
	Audio out	RCA Jack(R+L) X 1 / Subwoofer RCA Jack X 1
	PIP	1 Mode (5 Size)
	Display Mode	4:3 Mode, Panoramic, Fill All, Wide
Compatibility	Color system	NTSC/PAL/SECAM
	Video system	NTSC/PAL/SECAM
	PC/Mac	VGA/SVGA/XGA/SXGA
	SDTV/HDTV scanning format	1080i, 720p, 480p, 480i (NTSC) 1080i, 576p, 576i (PAL)
Audio Output	Built-in speaker	8w + 8w (Stereo)
	Subwoofer	RCA Jack X 1
Regulation	Safety / EMC	UL/CUL, VCCI, CB, CE, FCC Class B
	Accessories	Power Cable User's Manual / Warranty Card
		∗ AV Cable/ Remote controller / Batteries
Other	Power Source	Input : 100-240V, 2.4A, 50-60Hz
	Power consumption	Power on: 180W(Max) Standby: under 5W
	Operative temperature	0~40˚C

(!) * denotes optional item

Other information TV signal system

Colour and Broadcasting System by Country

Country	TV	Colour	Stereo	Subtitles
Albania	B/G	PAL		
Argentina	N	PAL-N		
Australia	B/G	PAL	FM-FM	Teletext
Austria	B/G	PAL	FM-FM	Teletext
Azores(Portugal)	B	PAL		
Bahamas	M	NTSC		
Bahrain	B	PAL		
Barbados	M	NTSC		
Belgium	B/G	PAL	Nicam	Teletext
Bermuda	M	NTSC		
Brazil	M	PAL-M	MTS	
Bulgaria	D	SECAM		
Canada	M	NTSC	MTS	CC
Canary Is	B	PAL		
China	D	PAL		
Colombia	M	NTSC		
Cyprus	B	PAL		
Czechsolvakia	D/K	SECAM/PAL		
Denmark	B	PAL	Nicam	Teletext
Egypt	B	SECAM		
Faroe Islands (DK)	B	PAL		
Finland	B/G	PAL	Nicam	Teletext
France	E/L	SECAM		Teletext
Gambia	I	PAL		
Germany	B/G	PAL	FM-FM	Teletext
Germany(prev East)	B/G	SECAM/PAL		
Gibraltar	B	PAL		
Greece	B/G	PAL(was SECAM)		
Hong Kong	I	PAL	Nicam	
Hungary	B/G & D/K	PAL(was SECAM)	Nicam(Budapest only)	

Country	TV	Colour	Stereo	Subtitles
Iceland	B	PAL		
India	B	PAL		
Indonesia	B	PAL		
Iran	H	SECAM		
Ireland	I	PAL	Nicam	Teletext
Israel	B/G	PAL	Nicam	Teletext
Italy	B/G	PAL	FM-FM	Teletext
Jamaica	N	SECAM		
Japan	M	NTSC	Matrix	
Jordan	B	PAL		
Kenya	B	PAL		
Korea	M	NTSC		
Luxembourg	B/G	PAL	Nicam	Teletext
Madeira	B	PAL		
Madagascar	B	SECAM		
Malaysia	B	PAL		
Malta	B/G	PAL		
Mauritius	B	SECAM		
Mexico	M	NTSC	MTS	CC
Monaco	L/G	SECAM/PAL		
Morocco	B	SECAM		
Netherlands	B/G	PAL	FM-FM	Teletext
New Zealand	B/G	PAL	Nicam	Teletext
North Korea	D/K	SECAM		
Norway	B/G	PAL	Nicam	
Pakistan	B	PAL		
Paraguay	N	PAL		
Peru	M	NTSC		
Philipines	M	NTSC		
Poland	D/K	PA		Teletext

Country	TV	Colour	Stereo	Subtitles
Portugal	B/G	PAL	Nicam	Teletext
Romania	G	PAL		
Russia	D/K	SECAM		
Saudi Arabia	B	SECAM		
Seychelles	I	PAL		
Singapore	B	PAL		
South Africa	I	PAL		
South Korea	M	NTSC		
Spain	B/G	PAL	Nicam	Teletext
Sri Lanka	B/G	PAL		
Sweden	B/G	PAL	Nicam	Teletext
Switzerland	B/G	PAL	FM-FM	Teletext
Tahiti	KI	SECAM		
Taiwan	M	NTSC		
Thailand	B	PAL		
Trinidad	M	NTSC		
Tunisia	B	SECAM		
Turkey	B	PAL	-	Teletext
United Arab Emirates	B/G	PAL		
United Kingdom	I	PAL	Nicam	Teletext
Uruguay	N	PAL	MTS	
USA	M	NTSC	MTS	CC
Venezuela	M	NTSC		
Yugoslavia	B/H	PAL		
Zimbabwe	B	PAL		